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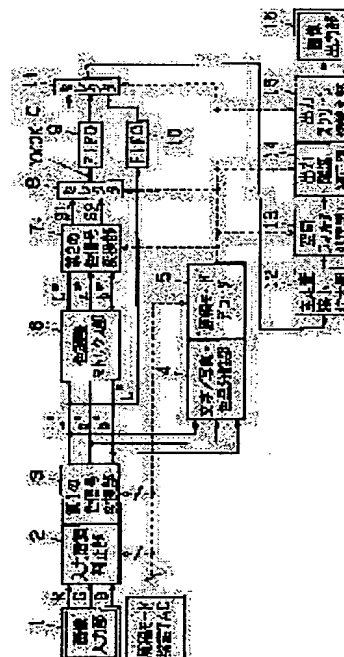
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(54) IMAGE PROCESSOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an image processor that can perform arbitrary color control, that is reduced in memory capacity and cost.

SOLUTION: The image inputted from an image input part 1 is sent through an input gradation correcting part 2 and a 1st chrominance signal converting part 3 to a color control matrix part 6 as the signal of color space $L^*a^*b^*$. The lightness, saturation, and hue are controlled over all the color space $L^*a^*b^*$ at the color control matrix part 6 and the image is sent to a 2nd chrominance signal converting part 7. At the 2nd chrominance signal converting part 7, local control disabled for matrix transformation is applied to $L^*a^*b^*$ signal and the signal is converted output to a YMCK signal to be applied to an image output part 16. Through two stages of color control, arbitrary color control is enabled.



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